

REMARKS

Claims 4-6 remain in the application with claims 4 and 6 having been amended hereby.

Reconsideration is respectfully requested of the objection to the drawings.

Attached hereto are corrected formal drawings in which Figs. 1 and 2 are amended to include the legend "Prior Art". Also attached are marked copies showing the changes to Figs. 1 and 2.

In addition, in view of the amendments made to the claims hereby, it is respectfully submitted that all claimed method steps and apparatus are clearly shown in the drawings and, specifically, are shown in Figs. 3 and 4.

Reconsideration is respectfully requested of the objection to the specification.

The specification clearly coincides with the amended claims, as described commencing at page 12, for example.

Reconsideration is respectfully requested of the objection to the title of the application.

A new title has been proposed that is intended to be more clearly indicative of the novel features to which the amended claims are directed.

Reconsideration is respectfully requested of the objection to the abstract.

A new abstract has been provided that is intended to briefly describe the features of the present invention as set forth in the amended claims.

Reconsideration is respectfully requested of the

objection to claim 4.

Claim 4 has been amended hereby to correct the editorial error appearing therein.

Reconsideration is respectfully requested of the rejection of claims 4-6 under 35 USC 103, as being unpatentable over Friel et al.

The present invention is intended to provide a system for determining an actual remaining capacity of a battery. The problem is that although the remaining capacity value can be calculated and stored, subsequent events result in that stored value becoming incorrect. The present invention then teaches periodically to update the stored value, so that at all times the stored value is the actual remaining capacity value.

Friel et al. relates to a so-called smart battery system in which the remaining capacity value is calculated and used in connection with other parameters, such as temperature, to control the charging of the battery. Friel et al. does not disclose the feature of the present invention relating to storing the actual remaining capacity value after it has been updated on a periodic basis, as in the presently claimed invention.

Accordingly, it is respectfully submitted, based on the amendments made to the claims hereby, as well as the above remarks, that an apparatus and method for determining an actual remaining capacity of a battery by periodically updating a stored remaining capacity value, as taught by the present invention and as recited in the amended claims, is


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neither shown nor suggested in the cited reference.

The references cited as of interest have been reviewed and are not seen to show or suggest the present invention as recited in the amended claims.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

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FIG. 1 (PRIOR ART)

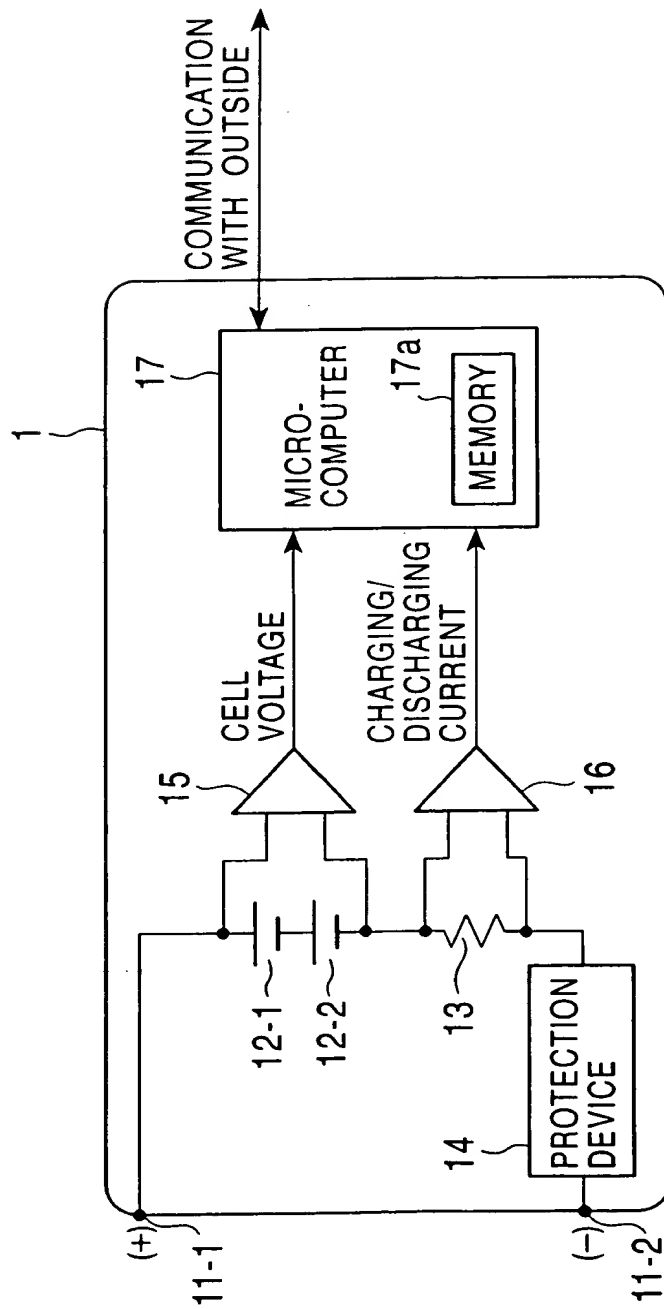


FIG. 2 (PRIOR ART)

